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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/524,063

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Boris Mayer

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EXAMINER

GLASS, RUSSELL S

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**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b> 10/524,063	<b>Applicant(s)</b> MAYER ET AL.	
	<b>Examiner</b> R. SHAY GLASS	<b>Art Unit</b> 3687	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 09 November 2009.
- 2a) ☒ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 18-28 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 18-28 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)          | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____                                      |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)          | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____  | 6) <input type="checkbox"/> Other: _____                          |

**DETAILED ACTION**

***Claim Rejections - 35 USC § 112***

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 18-28 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. In particular, the claims have been amended to include the limitation “wherein sending the notification orders is interrupted during night hours to prevent disturbing a user”. This limitation is indefinite because the interruption occurs at the sending step. It is likely possible that the time-of-day at the sending device is different from that at the receiving device, as time zones vary worldwide. Even though claims 23 and 26 provide specific interruption times, these times, as currently claimed, are based on the time at the sending step, not the receiving step. The time at the receiving step is likely to be different, and so the interruption may or may not prevent disturbing a user. Furthermore, whether or not someone is disturbed is a subjective feeling relative to the specific user, and therefore indefinite as a claim limitation.

***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

**Claims 18-28 are rejected under 35 U.S.C. 103(a) as being unpatentable over Tilles et al. (6,748,295) in view of Gustafsson (6,424,841).**

1. As per claims 18 and 22, Tilles et al. discloses a method and device for transmitting notifications (information) to users of a logistic system, said logistic system comprising at least one parcel compartment system with at least one registered user, wherein notification orders are transmitted to a central sending component which, on the basis of the notification orders (parcel status), accesses at least one database and generates and sends appropriate notifications to the user (email or the like informing user of parcel status), the method comprising the steps of:

- (a) calling up different modules (See the Abstract, via ActiveX software components) with associated functions in response to different events within the logistic system (See parcel status events or user events), said modules being selected from the group consisting of a client database (See col. 13 at lines 33-39, via a master server database), a registration unit (See col. 13 at lines 33-39, via user registration), and a system administration unit for the logistic system (See col. 6 at lines 25-28, via supervisor and manager system access);
- (b) generating notification ("the transmission of information", see paragraph 3 of the written description) orders by the modules (See col. 12 at lines 49-54, via internet email notifications);
- (c) writing the notification orders into a communication request queue (a software instruction queue, (see the Abstract, col. 13, line 33-col 14, line 21, via application software; or a database used for queuing email notifications); and

reading the orders from the communication request queue (program instruction queue) by a queue reader (memory device) in a timer-controlled manner (a scanner which includes a timer based central processing unit CPU or microprocessor) and transferring the orders to the central

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sending component, (See col. 13 at lines 5-7 and 33-65, disclosing that an e-mail notification is sent to customers e-mail address when an item is stored in the IDRS);

(d) generating appropriate user-specific notifications by the central sending component (See col. 13 at lines 33-35, via user-specific email notifications); and,

(e) sending said notifications to the user by the central sending unit via a gateway (master server 20 or web server 32, see col. 3 at lines 64-67); wherein said generating step includes accessing at least one client database (See col. 13 at lines 33- 36, via a master server database), a parcel database (See Figure 10 and col. 10 at lines 41-44, via local item inventory database), an automatic parcel delivery machine database (See Figure 11, via a carousel database 128), and a document database (See col. 10 at line 23, via database maintenance reports) by the central sending component (master server 20 or web server 32, See col. 3 at lines 64-67), wherein said method further includes the step of validating the status of the notification orders in a delivery contract logic before transferring the notification orders to the central sending component (See col. 13 at lines 31-54, via a user selecting delivery contract logic allowing mail to be delivered directly to a compartment system, the system checks (validates) to see if the contract option has been selected and notifies the user when compartment mail is available).

However, Tilles et al. fails to explicitly disclose writing the notification orders into a communication request queue and sending the notification orders in a time-deferred manner. Gustafsson discloses a short message service with improved utilization of available bandwidth including writing the notification orders into a communication request queue and sending the notification orders in a time-deferred manner (See Gustafsson, col. 3, lines 11-27)( via a deferred SMS messaging service). Additionally, Gustafsson further discloses: (f) interrupting the

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sending of the notification orders during night hours, to prevent disturbing a user, (see Gustafsson, col. 6, lines 50-57)(disclosing performing of SMS messaging in a non-time critical manner).

From this disclosure of Gustafsson it would have been obvious to one having ordinary skill in the art at the time that the invention was made to modify the item delivery and retrieval system of Tilles et al. to include writing notification orders into a communication request queue so the order can be sent in a deferred manner as taught by Gustafsson in order to efficiently utilize SMS systems to accommodate subscribers.

2. As per claim 19, Tilles et al. discloses the step of allocating client data, parcel data, and parcel compartment system data in the databases by means of IDs (See the Abstract, via customer identification so as to permit retrieval of items located in specifically designated bins; customer IDs being accessible by master server 20).

3. As per claim 20, Tilles et al. discloses wherein the events in the logistic system comprise at least the following:

- registration of the new user (See col. 13 at lines 33-39, via user registration)
- change in the user data (See col. 13 at lines 29-31, via taking a picture of the user when picking up an item)
- placement of a new parcel in a parcel compartment system (See col. 12 at lines 63-65, via loading of the storage unit)
- picking up a parcel from a parcel compartment system (See col. 13 at lines 8-9, via a user retrieving an item)
- sending back a parcel (See col. 10 at lines 66-67, via the return item function)

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- adding a substitute for pick-up of a parcel (See col. 14 at lines 43-45, via a customer loyalty card transferable to a substitute for pick-up of a parcel).

- removing a substitute (See col. 14 at lines 43-45, via taking away a customer loyalty card from a substitute).

4. As per claim 21, Tilles et al. discloses all elements of the claimed invention but fails to explicitly disclose the step of sending the notifications to the users in the form of at least one of e-mail and SMS. Gustafsson discloses a short message service with improved utilization of available bandwidth including the step of sending the notifications to the users in the form of at least one of e-mail and SMS (See col. 1 at lines 60-67, via an SMS e-mail notification message).

From this disclosure of Gustafsson it would have been obvious to one having ordinary skill in the art at the time that the invention was made to modify the item delivery and retrieval system of Tilles et al. to include sending an SMS email message as taught by Gustafsson, in order to efficiently utilize SMS systems to accommodate subscribers.

5. As per claims 23-28, these claims are rendered obvious by Gustafsson. (See Gustafsson, col. 3, lines 11-27)(disclosing a deferred SMS messaging service) (see also Gustafsson, col. 6, lines 50-57)(disclosing performing of SMS messaging in a non-time critical manner via a network browser, said network browser being considered to be a form of SMS service provider interface). Programming the device in Gustafsson to operate during the nighttime hours of 10:00 AM to 6:00 AM is an obvious design choice and/or an intended use of the device, since such programming is highly variable and does not functionally change how the device operates.

From this disclosure of Gustafsson it would have been obvious to one having ordinary skill in the art at the time that the invention was made to modify the item delivery and retrieval

system of Tilles et al. to include sending an SMS email message as taught by Gustafsson, in order to efficiently utilize SMS systems to accommodate subscribers.

### ***Response to Arguments***

Applicant's arguments filed 11/9/2009 have been fully considered but they are not persuasive for the reasons stated in the rejection above.

### ***Conclusion***

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a).

Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

The following are suggested formats for either a Certificate of Mailing or Certificate of Transmission under 37 CFR 1.8(a). The certification may be included with all correspondence concerning this application or proceeding to establish a date of mailing or transmission under 37 CFR 1.8(a). Proper use of this procedure will result in such communication being considered as timely if the established date is within the required period for reply. The Certificate should be signed by the individual actually depositing or transmitting the correspondence or by an



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Typed or printed name of person signing this certificate:

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Please refer to 37 CFR 1.6(d) and 1.8(a)(2) for filing limitations concerning facsimile transmissions and mailing, respectively.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to R. SHAY GLASS whose telephone number is (571)272-7285. The examiner can normally be reached on weekdays between 9 AM and 5PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, MATTHEW GART can be reached on 571-272-3955. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/R. SHAY GLASS/  
Examiner, Art Unit 3687

/Vanel Frenel/

Primary Examiner, Art Unit 3687

February 27, 2010